

حمل الآن

مجاناً وحصرياً

المراجعة رقم (1)

اختبار شهر اكتوبر



Summary

Unit

1

The Role of Technology
in Our Lives

Lesson 1

- » **External Hard Drive:** Like HDD, but much faster, It connects directly to the computer ports
- » **Ethernet Cable:** It connects a computer or laptop to a router.
- » **Ethernet Port:** It connects an Ethernet cable.
- » **Ethernet** is more stable and faster than Wi-Fi.
- » **Router:** It is a device that connects a computer to the Internet via Ethernet or Wi-Fi.
- » **HDMI:** It transmits audios and videos from/to devices.

1 Bit

The smallest unit of data

0 or 1

2 Byte

1 Byte = 8 bits
= 1 character

"Cat" = 3 characters
= 3 bytes

3 Kilobyte (KB)

1 KB = 1024 B

4 Megabyte (MB)

1 MB = 1024 KB

5 Gigabyte (GB)

1 GB = 1024 MB

6 Terabyte (TB)

1 TB = 1024 GB

- » **Megabits per second (Mbps):** It measures the speed of a network or the Internet connection.
- » **GigaHertz (GHz):** It measures the number of cycles your CPU carries out per second.

Problem

- 1 **Trouble processing large files**
(Like a large PowerPoint presentation)

Reason

- Not enough graphics storage

Solution

- Shut down some programs.

2 Not able to store files	• Not enough space	• Move old files to an external drive.
3 A poor video-conference connection	• Slow wireless Internet connection	• Try an Ethernet connection.
4 The home Internet connection is not working.	• Connection interrupted	• Use the Ethernet or contact your ISP. (Internet Service Provider)

Lesson 2

- » **Networks:** They are groups of people or things that are connected to each other for a common purpose.
- » **Local Area Network (LAN):**
It connects computers inside a house or a small office
 - It can also connect printer and router.
- » **Internet:** It connects millions of computers from all around the world.
 - To connect a computer to the Internet, we need a gateway, such as a router.
- » **Router:** It connects your computer to an ISP to provide Internet access.
- » **The ISP:** It is a company that provides the Internet service to the customers.
- » **Example of a useful website:** Egyptian Knowledge Bank.
- » **Open Network:** It is open and accessible to all, such as (Internet - WWW).
- » **Closed Network:** It is a private network such as (Internet - School computer lab)

Lesson 3

- » We use closed networks to share private information.
- » We use open networks to share public information.
- » **Internet of Things (IoT):** can connect digital devices to the Internet using Wi-Fi
- » IoT allows you to control devices such as Bluetooth speakers from anywhere.
- » IoT is useful for people of determination.

Lesson 4

» Scientists use office programs, email and video conference to share their discoveries with other.

» Five steps to solve computer Problems:

- ① Identify the problem.
- ② Plan solutions.
- ③ Try the solutions.
- ④ Review.
- ⑤ Ask for help.



Problem	Solution
① The computer slows down when opening an app.	• Shut it down and restart it. • Check for software updates. • Delete unwanted apps.
② The browser is running slow.	• Check the Wi-Fi signal. • Make sure apps are up-to-date on your device.
③ No Internet connection	• Use the software to troubleshoot your Wi-Fi connection. • Check that the router is connected. • Restart your router. • Try a new Ethernet cable. • Contact the customer service of your ISP for help.
④ Slow to download	• Restart your computer and router. • Check the Internet speed.

Lesson 5

» There are many ways to find information, such as QR Codes, libraries, the trusted websites.

» Input devices such as:

- ① Keyboard.
- ② Microphone.
- ③ Scanner.
- ④ Web Camera.

» **Storage Devices** such as:

- 1 **Hard Disk Drive (HDD):** The main place for saving files on computer, it has a very large storage capacity.
- 2 **Flash Memory:** A small portable device, used to save and transfer files to another device.



» **File Management:** It means creating folders and putting each type of file in the right place. This makes it easy to find files quickly.

» **Create the main folder:**

- Press the right click >>> New >>> Folder
- Then, type a name for the folder.

» A main folder can contain one or more subfolders.



Exercises on Lesson 1

1

1 Choose the correct answer:

1. A is considered the smallest unit for data.
a. bit b. byte c. MB d. TB
(شرق مدينة نصر 2025) (الإسكندرية - شرق 2025) (القاهرة - المستقبل 2025)
2. Ethernet is than Wi-Fi.
a. faster b. more stable c. slower d. both a and b
3. A/An drive is like a hard disk drive, but it runs faster.
a. screen b. external hard
c. keyboard d. Ethernet cable (أسيوط 2025)
4. is a device that connects a computer to the Internet.
a. A router b. A flash memory
c. A microphone d. Gigahertz
(القاهرة - عين شمس 2025) (القاهرة - المستقبل 2025) (الغردقة 2025)
5. is a cable that connects the computer to the router.
a. Ethernet b. Wi-Fi c. HDMI d. ISP
(القاهرة - الشروق 2025) (شرق مدينة نصر 2025) (القاهرة - المستقبل 2025)
6. A kilobyte = bytes.
a. 2,024 b. 1,000 c. 1,024 d. 2,024
(الجيزة - العمرانية 2025)
7. The is a cable that transfers audio and video to and from devices.
a. Ethernet cable b. HDD c. router d. HDMI
(القاهرة - الزيتون 2024) (الجيزة - كرداسة 2024) (الجيزة - 6 أكتوبر 2024)
8. is the abbreviation of Internet Service Provider. (الإسماعيلية 2025)
a. SPI b. PIS c. SIP d. ISP
9. A unit of measurement used to measure the network speed or Internet connection speed is
a. Mbps b. gigabytes c. bits d. None of them
(الإسكندرية - الجمرک 2025)

- 10  measures the number of cycles your CPU carries out per second. (العبور 2025)
- a. Bit b. GB c. GHZ d. Mbps
- 11 The word "cat" has three letters and would need (الإسكندرية - وسط 2025)
- a. 5 bits b. 5 kbytes c. 3 bytes d. 6 bytes
- 12 The reason your home Internet connection is not working is because (الإسكندرية - شرق 2023)
- a. there is no enough space b. there is no enough graphic storage
c. the connection was interrupted d. none of them
- 13 1 byte is equal to bit(s).
- a. 1,024 b. 1 c. 8 d. 5
- 14 One of the measurement units is the megabyte (Mb), which is equal to (الإسكندرية - المنزه ثان 2023)
- a. 1,024 bytes b. 1,024 kilobytes
c. 1,024 megabytes d. 1,024 gigabytes
- 15  To solve the problem of inability to store files on your computer, you can (أبناؤنا في الخارج 2025)
- a. move old files to an external drive
b. move your computer to another place
c. connect your computer with a router
d. connect your computer with a scanner
- 16 If your home Internet connections is not working, you should
- a. shut down some programs
b. move old files to an external drive
c. use Ethernet or contact the ISP d. try processing smaller files
- 17 Which one represents the correct arrangement of these measuring units of a computer from the biggest to the smallest?
- a. Terabyte – megabyte – gigabyte b. Byte – megabyte
c. Megabyte – kilobyte – byte d. Gigabyte – terabyte – megabyte

2 Put (✓) or (X):

- 1 A bit is the smallest unit of data. ()
(الإسكندرية - وسط 2025) (الغربية - طنطا 2025)
- 2 GHz (Gigahertz) is a unit for measuring the network speed. ()
(القاهرة - الشروق 2024)
- 3 Ethernet is a cable that connects the computer to the router. ()
(الإسكندرية - شرق 2025)
- 4 A kilobyte (KB) = 1,024 bytes. ()
(الفيوم - شرق 2023)
- 5 The word 'ICT' takes 3 bits to be stored in a computer. ()
- 6 The Ethernet is more stable and faster than Wi-Fi. ()
(الجيزة - جنوب 2024)
- 7 To solve the problem of space, you must shut down your computer. ()
(الإسكندرية - وسط 2025)
- 8 The router is used to connect the computer to the Internet. ()
(الجيزة - العمرانية 2025)
- 9 A byte used to measure the network speed or Internet connection. ()
(القاهرة - عين شمس 2025)
- 10 It is possible to connect to the Internet without an Ethernet cable. ()
(الجيزة - العمرانية 2025)
- 11 1 gigabyte (GB) = 1,024 bytes. ()
(الفيوم - شرق 2024)
- 12 An external hard drive is like an HDD but much faster. ()
(القاهرة - مصر القديمة 2024)
- 13 If you are not able to store files, you should try an Ethernet connection. ()
(الإسكندرية - العجمي 2025)
- 14 A megabyte (MB) measures the speed of a network. ()
(بنردمنهور 2024)
- 15 If the Internet is not working, you can contact the customer service. ()
(الجيزة - العمرانية 2025)

3 Complete the missing parts using the words between the brackets:

(Mbps – Ethernet cable – Gigahertz – router)

- is used to measure the number of cycles of the CPU per second. (أشمون 2025)
- An connects your computer or laptop to the router.
- A is a device that connects a computer to the Internet. (بور سعيد 2025) (الدقهلية 2025)
- is the measuring unit of the speed of a network. (سوهاج 2025)

4 Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)
1 1 byte	a. 1,024 kilobytes
2 1 megabyte	b. 1,024 bytes
3 1 gigabyte	c. 1,024 gigabytes
4 1 kilobyte	d. 1,024 megabytes
	e. 8 bits

1 2 3 4

B

Column (A): Problem	Column (B): Solution
1 A poor video conference connection	a. Shut down some programs.
2 Not able to store files	b. Try an Ethernet connection.
3 Not enough graphics storage	c. Move old files to an external drive.

1 2 3



2

1 Choose the correct answer:

- a. Computers b. Information
c. Gateways d. Networks
- 2 The is an example of a useful website.
- a. LAN b. EKB c. Internet d. all of them

(الجيزة - العمرانية 2023) (الإسكندرية - شرق 2023)

- ④ The consists of a computer connected to another device such as a printer or router.
- a. LAN b. Ethernet c. WWW d. Internet

(شبين الكوم 2025)

- 5 The router is considered a/an (المنوفية - السادات 2023) (الدقهلية 2023)
- a. browser b. antivirus c. gateway d. cable

- 6  A/An is a device that connects your computer to an ISP.
a. Bluetooth b. router c. Ethernet port d. HDMI

- 7  A network that connects computers and their users worldwide is
- (الإسكندرية - الجمرک 2025)
- a. local b. the Internet c. closed d. none of them

(الإسكندرية - الجمرک 2025)

- 8 is a company that provides the Internet service to customers.
a. An ISP b. A router c. WWW d. A gateway

- 9 The Internet is a/an network.
a. open b. closed c. both a and b d. none of them
- 10 is/are example(s) of open networks.
a. Intranet b. Internet c. WWW d. both b and c
- 11  The school computer lab network is a (أسبوط 2025)
a. open network b. closed network
c. WWW d. Intranet
- 12  When you connect a computer to another in the same place, you have a (أبنأؤنا فف الءاء 2025) (القاهرة - المسآقبل 2025)
a. scanner b. LAN c. CPU d. ISP
- 13 networks share public information. (الءيزة - ءنوب 2024)
a. Opened b. Closed c. School d. None of them

2 Put (✓) or (X):

- 1 The Internet is a network that connects computers from all around the world. (الإسآندرية - وسط 2024) ()
- 2 A LAN is a wide area network. (الففوم - إءارة شرق 2023) ()
- 3 Connecting a computer to another computer in the same place is considered a local area network (LAN). (الإسآندرية - المنآزه أول 2025) ()
- 4 The ISP is made up of web pages that people can navigate. () (الإسآندرية - العءمف 2025)
- 5 The EKB is a useful source of knowledge. (القاهرة - مصر القءفمة 2024) ()
- 6 To connect a computer to the Internet, you only need a router (gateway). (القاهرة - المعاءف 2024) ()
- 7 WWW is a short form for the World Wide Web. (الءيزة - العمرانفة 2023) ()
- 8 A closed network is the one in a computer lab. () (القاهرة - عفن شمس 2025)
- 9 A school's computer lab could have its own closed network. () (الءيزة - أبؤ النمرس 2023) (أسبوط 2024)

3 Complete the missing parts using the words between the brackets:

(A router – An ISP – A LAN – closed)

- enables you to connect your laptop to the Internet.
- consists of one computer connected to a printer or a router.
- is the Internet service provided by Egyptian companies to citizens.
- Your school's computer lab is a/an network. (الإسكندرية - وسط 2025)

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 A router	a. is an abbreviation of World Wide Web.
2 The Internet	b. is a computer network between some people in the same work.
3 The intranet	c. connects your computer to an ISP.
4 WWW	d. is a computer network between people all over the world.

1 2 3 4

Test Yourself on Lessons 1&2

1 Put (✓) or (X):

- 1 The Internet speed cannot be measured. (الإسماعيلية - إدارة شمال 2024) ()
- 2 The Internet and WWW are examples of closed networks. ()
- 3 One terabyte = 1,024 Mbytes (الجيزة - 6 أكتوبر 2024) ()
- 4 A LAN may consist of a computer connected to a printer. ()
- 5 A router is a device that connects a computer to the Internet. ()
(الجيزة - العمرانية 2024)
- 6 The intranet is a public and opened network. ()
- 7 An external hard disk is faster than an HDD. ()
- 8 A USB cable connects computers to a router. (الإسكندرية - الجمرك 2024) ()

2 Choose the correct answer:

- 1 8 bits are equal to one
a. kilobyte b. megabyte c. byte d. terabyte
- 2 A router works as a
a. printer b. gateway c. scanner d. hard disk
- 3 The is like a hard disk drive but much faster. (القاهرة - المستقبل 2024)
a. DVD b. cable c. external hard drive d. HDMI
- 4 A common solution for poor video conference quality is to use the
a. wireless b. Bluetooth c. Ethernet d. Wi-Fi
- 5 1 gigabyte equals (دمياط 2024)
a. 1,024 kilobytes b. 1,024 bits c. 1,024 megabytes d. 1,024 bytes
- 6 The connects a computer to the Internet via Wi-Fi or Ethernet. (بندر دمنهور 2024)
a. modem b. router c. switch d. CPU
- 7 One of the possible reasons for a home Internet outage is
a. flash memory is full b. no storage space
c. network connection interruption d. browsers (الإسماعيلية 2024)



3

1 Choose the correct answer:

- 1 allow(s) you to control the connected devices using Wi-Fi.

a. Email b. Search engines
c. Internet of Things d. Social media
- 2 We can use computer networks to

a. send text messages b. buy something online
c. download videos d. all of them
- 3 Every time you send a message or shop online, you are using

a. games b. computer networks
c. books d. television
- 4 The IoT consists of devices linked to the Internet via

a. Bluetooth b. Wi-Fi c. a network d. a satellite
- 5 To share information, you can use open networks.

a. private b. personal c. public d. confidential
- 6 IoT connects digital devices to the using Wi-Fi.

a. Intranet b. Internet c. Bluetooth d. all of them
- 7 Businesses and organizations use networks to share private information.

a. open b. closed c. public d. Bluetooth
- 8 allow(s) you to control connected devices using Wi-Fi.

a. Email b. Internet of Things
c. Search engines d. Social media sites
- 9 Companies use networks to share information.

a. open b. closed c. both a and b d. none of them
- 10 The connection of a washing machine to an application on the mobile is called the

a. LAN b. screen reader
c. Internet of Things d. mobile development

The Role of Technology in Our Lives

11 The Internet of Things connects to the Internet.

(القاهرة - الشروق 2025)

- a. digital devices b. networks c. HDMI cable d. all of them

2 Put (✓) or (X):

- 1 People communicate every day using computer networks. ()
- 2 The digital washing machine is an example of the Internet of Things (IoT).
(أسقوط 2024) (المنوفية - السادات 2023) ()
- 3 Smart systems are not part of our daily life. ()
- 4 Shopping online means you are using a computer network. ()
- 5 Companies only use closed networks to exchange information. ()
- 6 IoT allows connecting digital devices through Wi-Fi. ()
(أسقوط 2024) (الجيزة - العمرانية 2023)
- 7 IoT can help people with disabilities. ()
- 8 Closed networks are also called private networks. ()
- 9 The Internet of Thing is the connection of digital home appliances to the Internet.
(القليوبية 2025) ()

- 9 Try a new Ethernet cable when
 a. there is no Internet connection b. the computer is not working
 c. the screen freezes d. all of them
- 10 One of the possible solutions to the problem of the computer slowing when opening an application
 a. check for software updates b. check the Wi-Fi
 c. restart the router d. all of the previous
- 11 Slow downloads may be due to low speed. (الإسكندرية - وسط 2025)
 a. monitor b. Internet c. memory d. keyboard
- 12 If you can't solve the Internet speed problem, contact your for help.
 a. police b. manufacturer
 c. friend d. ISP
- 13 Making sure that the router is connected, and restarting the router are possible solutions of the problem of:
 a. the computer slowing down b. the browser running slow
 c. no Internet connection d. slow downloads
- 14 is the last step on finding problems and solving them. (إفريقية 2025)
 a. Identifying the problem b. Studying the possible solutions
 c. Finding the suitable solution
 d. Asking your teacher or family member for help

2 Put (✓) or (X):

- 1 Scientists use Office Programs such as Word, Excel, and PowerPoint in their researches. ()
- 2 Follow the troubleshooting process to solve computer problems. ()
- 3 Identifying the problem is the last step in solving computer problems. ()
 (الإسكندرية - وسط 2025) (الدقهلية 2025) (دمياط الجديدة 2024)
- 4 PowerPoint is a Microsoft program used for making presentations. ()
 (بورسعيد 2025)
- 5 You can use software to check your Internet connection. ()
- 6 One of the possible solutions of the Internet outage is to change the Ethernet cable. ()
 (القاهرة - المستقبل 2024)
- 7 When the browser is running slow, you have to check the Wi-Fi signal. ()
 (الشرقية - شرق الزقازيق 2024)

- 8 We should regularly check for software updates to avoid software problems. ()
- 9 Checking the Wi-Fi connection is one of the suggested solutions for slow browser. (الإسكندرية - المفتوح ثان 2025) ()
- 10 One of the possible reasons for slow downloads is the Internet speed. (الجيزة - جنوب 2024) ()
- 11 Studying the suggested solutions is the second step in problem solving. (الغردقة 2025) ()
- 12 Restarting the router is one of the ways to solve the slow downloads problem. ()
- 13 When there isn't an Internet connection, it's good to restart your router. (دمياط 2024) ()
- 14 A solution to the problem of the computer slowing down when opening an app is to check the Wi-Fi signal. (القليوبية 2025) ()
- 15 You can ask for your teacher's assistant or one of your family members if you can't solve a problem. (شرق مدينة نصر 2025) ()

3 Arrange the following steps:

- a (.....) Plan different ways to solve the problem.
- b (.....) Go through your potential solutions.
- c (.....) Ask your teacher or a member of your family for help.
- d (.....) Which solution worked?
- e (.....) Identify the problem.

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
Problem	Solution
1 No Internet connection	a. Delete unwanted apps.
2 Download is slow	b. Check the router is connected.
3 The computer slows down when opening an app.	c. Check the Internet speed.

1 2 3

Test Yourself

on Lessons
3&4

1 Choose the correct answer:

- The intranet is a/an network. (الدقهلية - بلقاس 2024)
a. public b. WWW c. open d. closed
- is/are one of the Internet of Things devices. (القاهرة - المستقبل 2024)
a. Digital refrigerators b. Watches c. Cars d. WWW
- If there is no Internet connection, check if the is connected first.
a. app b. computer c. router d. camera
- One solution for the problem of slow downloads is to
a. download the program b. restart the computer
c. delete the program d. prize (الإسكندرية - المنزه ثان 2025)
- To use the Internet in your home, you need
a. a computer or mobile phone b. a router
c. a service provider d. all of them (القاهرة - الشروق 2024)
- A weak Wi-Fi signal affects the
a. video conference b. storage space
c. graphic storage d. keyboard speed
- The first step in the problem-solving process is to
a. identify the problem b. plan a solution
c. try the solution d. review the solution

2 Put (✓) or (X):

- IoT technology enables wireless data transfer between devices. ()
 - Restarting the router can fix the slow download speed. ()
 - The Internet is an open network. ()
 - A LAN may consist of a computer connected to a printer. ()
 - The World Wide Web (WWW) is a closed network. (القاهرة - الشروق 2024) ()
 - Scientists use emails only to share their discoveries and researches. ()
 - The intranet is a public and open network. ()
 - A Bluetooth speaker is an example of the Internet of Things. ()
- (الجيزة - الشيخ زايد 2024)



Exercises on Lesson 5

5

1 Choose the correct answer:

- 1 You can get information from the
a. school library b. websites c. QR Codes d. all of them
- 2 A is used to input pictures and files on the computer.
a. keyboard b. printer c. scanner d. CPU
(القاهرة - مصر القديمة 2024)
- 3 We can share and store information using a/an (الليوبية 2025)
a. flash memory b. HDD c. keyboard d. both a and b
- 4 The is the main place for saving the files on the computer.
a. hard disk drive b. router c. scanner d. box
- 5 You can organize files on your device using (الإسكندرية - المنتزه ثان 2025)
a. folders b. copy c. paste d. limited space
- 6 The is used to insert images and use them later. (الجيزة - الهرم 2024)
a. keyboard b. printer c. microphone d. scanner
- 7 When you click on then "Folder", a folder is created.
(القاهرة - الشروق 2025)
a. Exit b. Save c. New d. File
- 8 To create a main folder, press, then select "New Folder".
a. right click b. left click c. both a and b d. none of them
- 9 We can create a main folder and add to it. (أبنؤنا في الخارج 2025)
a. subfolders b. printers c. deleted folder d. speakers

2 Put (✓) or (X):

- 1 A QR Code is used to get information quickly. (الإسكندرية - وسط 2025) ()
- 2 Files can be saved on a flash memory or a hard disk drive. ()
- 3  The main folder can contain one or more subfolders. (سوهاج 2025) ()
- 4 The operating system helps in file management. ()
- 5 You can add a main folder inside subfolders to manage files. ()
(الإسكندرية - شرق 2024)
- 6 To create a new folder, left-click on an empty space. ()
- 7 Data must be organized on the computer for easy retrieval. ()
(الإسكندرية - المنزه أول 2023)
- 8 It is preferable to give each folder an appropriate name. ()
- 9 The main folder contains subfolders and files. (الإسكندرية - المنزه ثانٍ 2023) ()
- 10 An operating system does not allow you to add a subfolder inside a main folder. (دمياط 2025) (الإسكندرية - إدارة وسط 2023) ()

3 Arrange the following steps:

- a. (.....) Type a name for the main folder (Books).
- b. (.....) Add subfolders.
- c. (.....) Put the books in the correct folder.
- d. (.....) Type the names of the folders (Science – Math – History).
- e. (.....) Create the main folder.

4 Complete the missing parts using the words between the brackets:

(QR Codes – scanner – computers – flash memory –
camera – Libraries)

- 1 A helps us store and transfer files and information.
- 2 A helps us get images, while a helps us save them on the computer.

The Role of Technology in Our Lives

- 3 contain printed books, while contain digital books.
- 4 help us access the information by scanning them with a phone camera.

5 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 A digital camera	a. helps us enter and store images into a computer.
2 A QR Code	b. takes pictures and videos during video chats.
3 A scanner	c. is a quick and easy way to share information.

1 2 3

كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجاناً وحصرياً

المراجعة رقم (2)

اختبار شهر اكتوبر





Peripheral Devices of the Computer



Theme 1

In our fourth-grade class, we studied computer devices and their physical components (input units and output units) in addition to office software and operating systems.

In this lesson, we will cover the peripheral devices connected to the computer

Computer Peripheral Tools



Flash Drive

Like USB and SSD, they are very fast because they contain no moving parts.



Ethernet Cable and Port

Connects the computer to the Router, which in turn connects to the internet, making it faster and more stable than a Wi-Fi network.



External Hard Disk

It is faster than the traditional hard disk (HDD) because it connects directly to the computer's ports.



HDMI Cable

Used to transfer audio and video between devices.



The Router

A device that connects multiple devices to the internet via Wi-Fi or an internet cable.



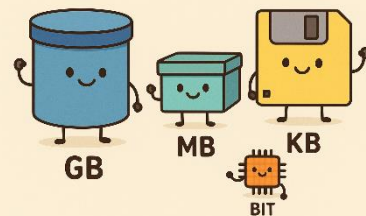
Measurement Units



1

Storage Capacity Measurement Units

STORAGE CAPACITY



Smallest data unit.	1 Byte = 8 Bits.	1024(B)	1024(KB)	1024(MB)	1024(GB)
Bit	Byte	Kilobyte (KB)	Megabyte (MB)	Gigabyte (GB)	Terabyte TB



2

Unit for measuring network speed or internet connection speed



Megabits per second (Mbps): **The higher the network speed, the better.**

3

Unit for measuring processor speed

Gigahertz (GHz): **which indicates the number of cycles the Central Processing Unit executes per second.**

Some Common Problems with Computer



The Problem	Its Cause	Suggested Solution
1 If you try to process a large file and it fails	This often means you don't have sufficient capacity in your graphics card	Close some programs to free up part of the Random-Access Memory (RAM)
2 If your video call has poor quality	Most likely, the Wi-Fi speed is low*	Try using a wired connection instead of wireless
3 If you cannot store new files	This means you've used up your available storage space	Move some files to an external disk
4 If your internet isn't working	This means the connection has been lost	Try using a wired connection or contact your Internet Service Provider





Lesson Exercises

1

From the Lesson Questions

Q 1: Put a (✓) mark in front of the correct statement, and a (X) mark in front of the incorrect statement:

1. An internet cable is used to connect the computer to the router. ()
2. The Byte is the smallest data unit. ()
3. 1 Gigabyte = 1024 Megabytes. ()
4. The router is a device that connects the computer to the internet only using Wi-Fi. ()
5. The higher the internet connection speed, the worse it is. ()

Ministerial Assessment Questions

Q 2: Choose the correct answer from the following choices:

1- An _____ cable connects computers to the router device.

- a) Ethernet b) Wi-Fi c) USB d) Flash Drive

2- A _____ drive, like a hard disk drive, but works faster.

- a) External Hard Disk b) Screen c) Control Panel d) Ethernet Cable

3- To solve the problem of insufficient storage space for graphics on the computer _____.

- a) Close some programs b) Load more programs
c) Turn off the computer d) Load Word program

4- The _____ device connects the computer to the internet.

- a) Router b) Flash Drive c) Microphone d) Gigahertz

5- The _____ measurement unit is used to measure the number of cycles the Central Processing Unit executes per second.

- a) Gigahertz b) Bit c) Megabit per second d) Gigabyte

6- The _____ is considered the smallest data unit.

- a) Bit b) Byte c) Megabyte d) Terabyte

7- To solve the problem of being unable to store files on the computer, you can _____.

- a) Move old files to an external drive b) Move the computer to another place
c) Connect the computer to the router d) Connect the computer to the internet

8- The _____ measurement unit is used to measure network speed or internet connection speed.

- a) Megabit per second b) Gigabyte c) Gigahertz d) Bit





Networks and Their Types

Theme 1



- Networks represent groups of people or things connected to each other for a common purpose.
- Just as a network connects all your relatives, a computer network connects computers together to exchange information and data.

Types of Networks



There are multiple types of networks, including:

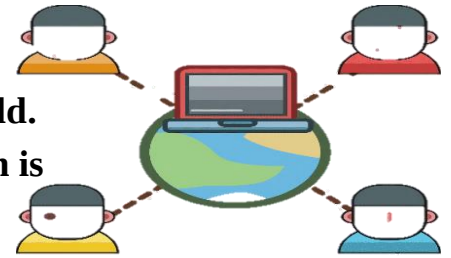
1 Local Area Network (LAN)

- It connects computers within a home or small office.
- It can also connect printers and routers.



2 الإنترنت Internet

- It is a **global network** that connects computers all over the world.
- You can access it using a Gateway like a router, whose function is to connect devices to an Internet Service Provider (ISP).



The Internet is characterized by:

- The **internet contains** a huge amount of information, like a massive library including books, pictures, videos, and websites.
- **Examples** of useful sites: The Egyptian Knowledge Bank.

3 Open Networks

Such as: The Internet, the World Wide Web (WWW).



4 شبكات مغلقة

- Such as: Intranet.

Example

The computer lab network at school is a model of a closed network. They use it to exchange files between its devices connected to each other via wires and cables.



Lesson Exercises

2

From the Lesson Questions

Q 1: Put a (✓) mark in front of the correct statement, and a (X) mark in front of the incorrect statement:

1. The concept of networks is limited to electronic networks. ()
2. Computers connect to each other via a closed network using Cables. ()
3. Networks need a Gateway to connect the computer to the internet network. ()
4. People use computers to exchange information. ()
5. The internet is considered a private, closed computer network. ()

Ministerial Assessment Questions

Q 2: Complete the following sentences from the words between brackets:

- 1 - ____ connect computers to each other to exchange important information and data.
(a) Digital Fingerprint (b) Computer Networks (c) Word Processor (d) Spreadsheets
- 2- When you connect a computer to another computer in the same place, you now have a ____.
(a) Scanner (b) Local Area Network LAN (c) CPU (d) ISP
- 3- The ____ network connects computers and their users around the world.
(a) Local (b) Internet (c) Closed (d) Digital Fingerprint
- 4- The ____ network's use is limited to people connected by a work relationship in a specific institution.
(a) World Wide Web (b) Intranet (c) Computer Applications (d) Operating Systems
- 4- The school computer lab network is a ____ computer network.
(a) Open (b) Closed (c) World Wide Web (d) Intranet
- 5- The Egyptian Knowledge Bank EKB site is available for free to all Egyptians on the ____.
(a) Various Applications (b) World Wide Web (c) Presentations (d) Spreadsheets
- 6- The ____ device connects the computer to the Internet Service Provider ISP.
(a) Bluetooth (b) Router (c) Open Networks (d) Central Processing Unit CPU
- 7- The ____ is part of the internet network.
(a) Bluetooth (b) Router (c) World Wide Web WWW (d) Central Processing Unit CPU





Smart Communication Systems

Theme 1

Smart Systems and Networks



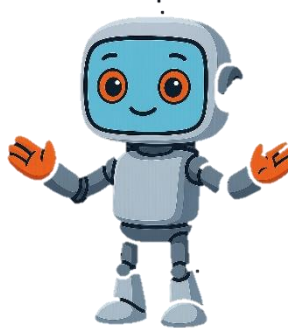
- Smart systems have become part of our daily lives; they work on:

Online shopping

Sending a text message

Uploading or downloading video clips

Sharing lessons



Computer Networks



Companies use both:

(Open networks)

(Closed networks)

to exchange information

(IOT- Internet of things)



Allows connecting smart devices to the internet via Wi-Fi technology.

- Examples of IoT use**
- Controlling home devices through Bluetooth speakers from anywhere
- Wirelessly transferring data between devices over short distances.
- Providing assistive technologies for people with disabilities. For **example**:

(Bluetooth speakers -- Screen reader -- and Braille reading) These tools help them obtain information through the Egyptian Knowledge Bank.





Lesson Exercises

3

From the Lesson Questions

Q 1: Put a (✓) mark in front of the correct statement, and a (X) mark in front of the incorrect statement:

1. It is impossible for household tools to be part of a network. ()
2. The highest security standards must be taken when sharing personal information online. ()
3. The internet network allows users to browse websites. ()
4. People with visual impairments can read texts displayed on devices. ()

Ministerial Assessment Questions

- 1 - Banks use _____ networks to share their private information.
(a) Open network (b) Closed network (c) Keyboard (d) Printer
- 2- We use _____ to communicate with each other.
(a) Scanner (b) Mouse (c) Computer Networks (d) PowerPoint
- 3- _____ give people of determination more independence and increase their self-confidence.
(a) Printers (b) Router (c) Computer Networks (d) PowerPoint
- 4- A _____ person uses screen reader programs to do their homework online.
(a) Person with motor disability (b) Person with hearing impairment
(c) Person with visual impairment (d) Presentations
- 5- _____ programs help people with visual impairments write research on the computer.
(a) Printers (b) Scanner (c) Screen Readers (d) Router
- 6- Shopping online is called _____.
(a) Search (b) Router (c) E-commerce (d) Speakers
- 7- _____ allows you, via Wi-Fi, to control devices connected to the internet.
(a) Email (b) Search Engines (c) Internet of Things (d) Word
- 8- To transfer data between wireless mobile devices, the _____ network technology is used.
(a) Keyboard (b) Bluetooth (c) Operating Systems (d) Word





Internet Connection Problems and How to Solve Them

Lesson 4



Theme 1

Scientists use some office software like Word, Excel, and PowerPoint, in addition to email and video conferences, to share their research or discoveries with others. But what do they do when the computer refuses to cooperate? It's annoying, but it happens even to the best experts

Therefore, here are five steps that may help you solve any problem related to the computer:

1. Identify the Problem:

Is it related to Hardware, Software, or a user error?

(In this example, the problem is with the internet connection)

2. Plan Solutions: What might fix the problem? Maybe restarting the computer or checking for updates.

3. Try the Solutions:

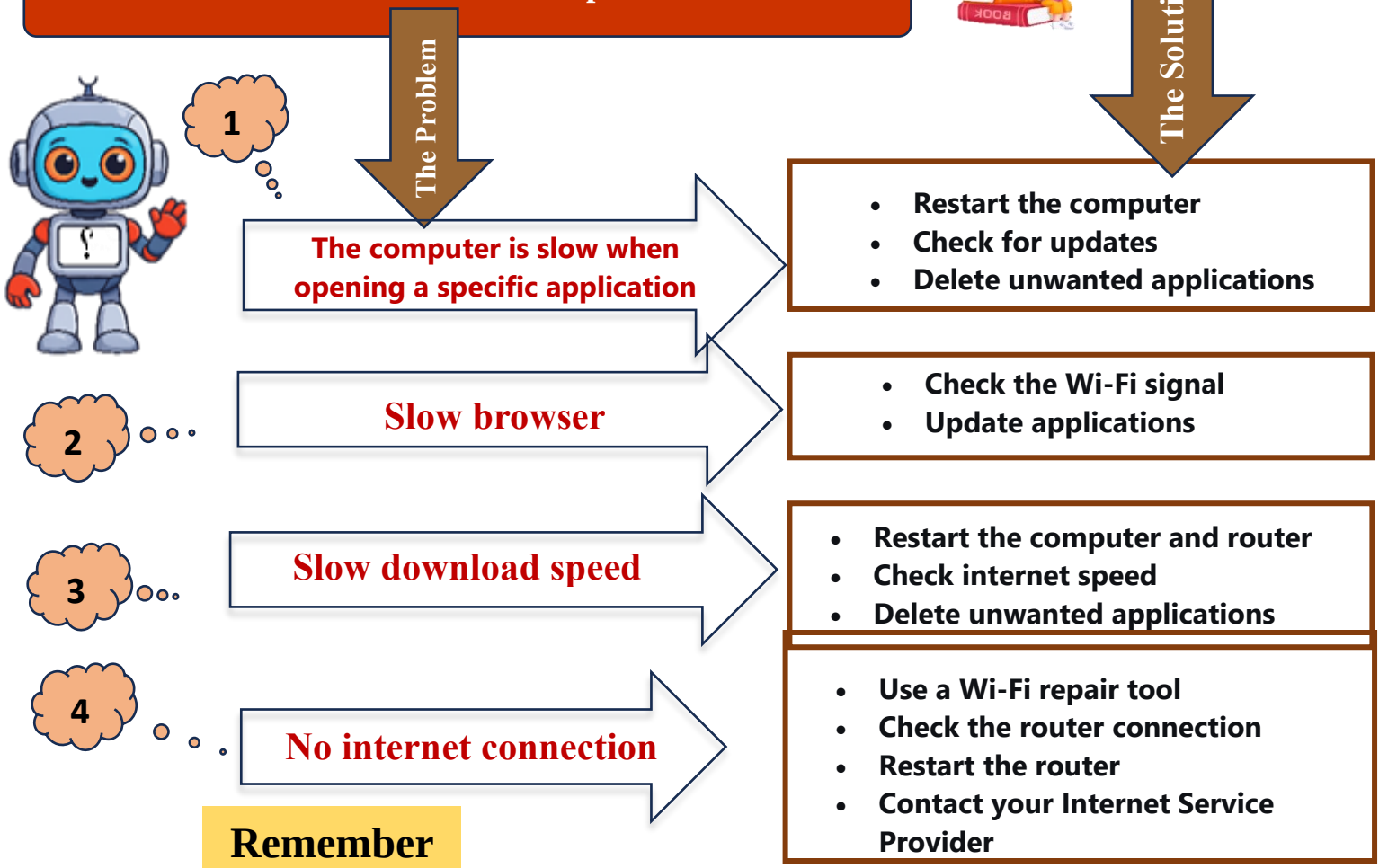
Apply the solutions one after the other until you find what works.

4. Review: Did the solution work? And why? If it didn't work, what did you learn from the attempt?

5. Ask for Help: If you can't find the solution, ask your teacher or a family member for help.



Internet Connection Problems and Steps to Solve Them



Following specific steps to solve problems helps you find solutions faster, and even if one solution doesn't work for a specific problem, it might help you solve another problem later on.



Lesson Exercises

4

Ministerial Assessment Questions

Q 1: Put a (✓) mark in front of the correct statement, and a (X) mark in front of the incorrect statement:

1. Checking the Wi-Fi connection is one of the potential solutions for a slow computer. ()
2. Identifying the problem is the first step in problem-solving. ()
3. Studying the proposed solutions is the second step in discovering and solving problems. ()
4. Checking the Wi-Fi connection is one of the potential solutions for a slow search engine. ()
5. One potential solution for internet disconnection is changing the Ethernet cable. ()
6. You can seek help from your teacher or a family member if you don't reach a solution. ()

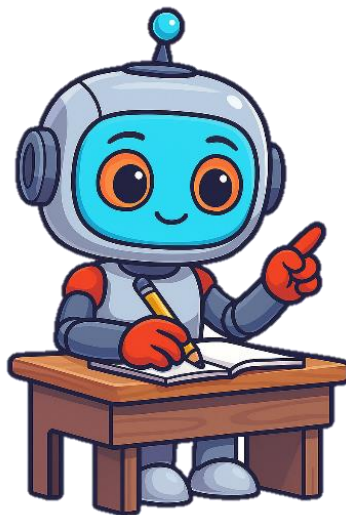
Q 2: Choose the correct answer from the following choices:

1- The final step in discovering and solving problems is _____

- (1) Reaching the appropriate solution for the problem
- (2) Studying the potential solutions for the problem
- (5) Seeking help from your teacher or a family member
- (8) Identifying the problem

2- One proposed solution in case of a slow search engine is

- (1) Buying a printer
- (2) Changing the keyboard
- (5) Checking the Wi-Fi connection
- (8) Buying a screen





Dear Student

Digital Files and How to Handle Them

Theme 1



In our lesson today, we will learn about some peripheral devices we use with the computer to input data and information like texts, pictures, video clips, sounds, and how to save and transfer all our files and pictures in an easy and smart way

Students can find information through:

1. Searching in the school library
2. QR Code
3. Searching on trusted internet network sites



Electronic Device Peripherals



.(Flash Memory)



Web Camera



Scanner



Key board

After the data input stage, the computer processes it. After we finish preparing our files, we need to save them so we don't lose them. Files are saved on:

Flash Memory

It is a small, portable device you can connect to the computer to put your files on and transfer them to any other device.



(Hard Disk Drive)

- This is the main place to save files inside the computer.
- It features very large storage space that saves all your files.





How do we organize information?



- Imagine your library is full of books scattered on the floor. You would find it difficult to find your favorite book, right?
- Organizing information on the computer is like organizing books in a library.
- When we create folders and put each type of file in its correct place, finding them becomes quick and easy, which is called file management..



File Management



File management means we organize our files inside the computer in a way that makes it easy for us to find them. The operating system (like Windows) helps us with this by:

Creating Folders: 1

A folder is like a box; you can put similar files inside it. For example, you can create a folder named "Family Photos" and put all your photos in it, and another folder named "School Homework" to put your homework files.

Naming Files: 2

We must choose a clear name for files so we can easily

Moving Files: 3



You can move files from one place to another inside the

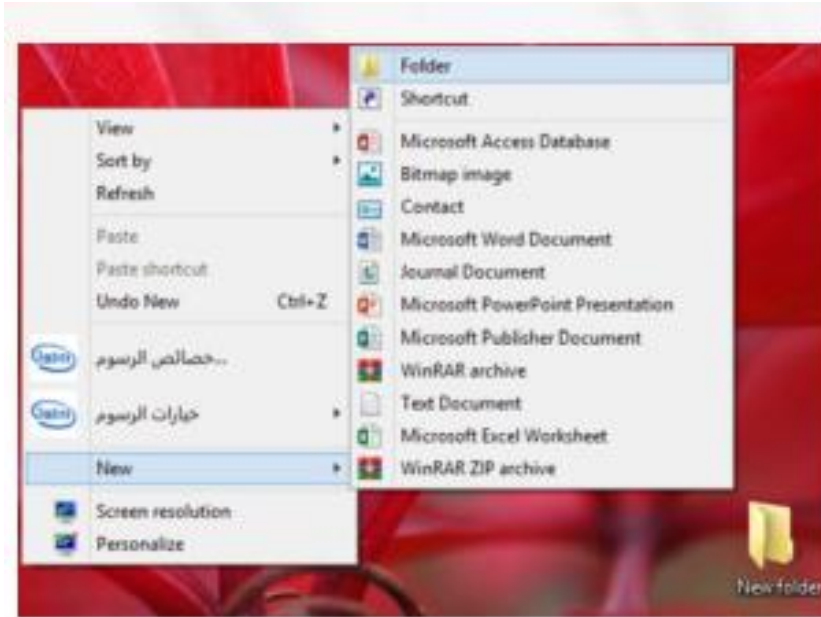
Saving Photos and Videos 4

Use the webcam to capture photos and video clips and save them in one of the folders you created for this purpose, for example, name it "Photos and Videos," and organize them inside it by date or event.

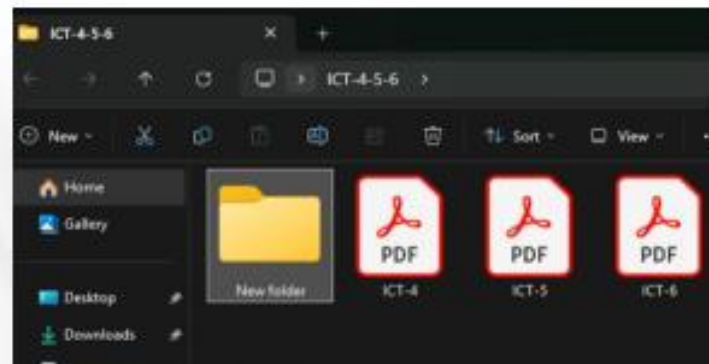


Steps to Create a New

- Go to the location where you want to create the folder.
 - This could be on the Desktop or in any other folder like "Documents" or "Pictures".
- Press the right mouse button in any empty space.
- A menu will appear; place the mouse pointer on the word "New".
- Another sub-menu will appear. Choose the word "Folder" by clicking on it with the left mouse button.

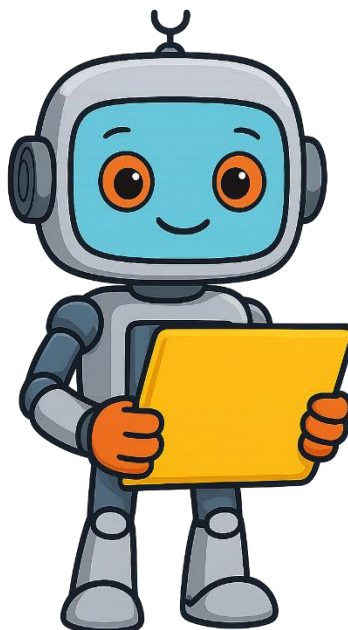


5. The new folder will appear with a temporary name like "New Folder".



6 - Type the name you want for the folder, for example: "Math Homework" or "Family Photos".

7- Press the "Enter" key on the keyboard to set the name.





Lesson Exercises

5

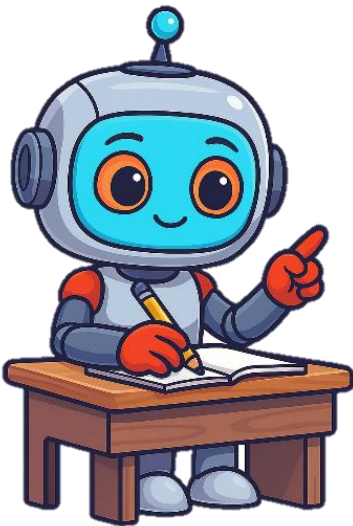
Ministerial Assessment

Q 1: Put a (✓) mark in front of the correct statement, and a (✗) mark in front of the incorrect statement:

1. Folders are used to organize files on the computer. ()
2. Flash memory is one method of saving information. ()
3. Using files helps you organize your information. ()
4. Data and information are saved inside files. ()
5. The main folder can contain one or more subfolders. ()

Q 2: Choose the correct answer from the following choices:

1. One method of saving and storing information is:
 - (1) The Screen
 - (2) The Printer
 - (5) Flash Memory
 - (8) The Keyboard
2. A folder on the computer can contain:
 - (1) Printed documents and pictures
 - (2) Paper letters
 - (5) Photo and video files
 - (8) Paper books





Answer Key for Unit One Questions

Lesson One

Question Two: Choose the correct answer from the brackets:

1. Ethernet
2. External Hard Disk
3. Close some programs
4. Router
5. Gigahertz GHZ
6. Bit
7. Megabit per second
8. Transfer old files

Question One: Mark True (✓) or False (✗)

- ✓ -1
- X -2
- ✓ -3
- X -4
- X -5

Lesson Two

Question Two: Choose the correct answer from the brackets:

- 1- Computer Networks
- 2- Local Area Network
- 3- Internet
- 4- Intranet

Question One: Mark True (✓) or False (✗)

- X -1
- ✓ -2
- ✓ -3
- ✓ -4
- X -5

Lesson Three

Question Two: Choose the correct answer from the brackets:

1. Closed
- 2- Computer Networks
- 3 - Computer Networks
- 4- People with visual impairments
- 5- Screen Readers
- 6- E-commerce
- 7- Internet of Things
- 8- Bluetooth

Question One: Mark True (✓) or False (✗)

- X -1
- X -2
- X -3



Lesson Four

Question Two: Choose the correct answer from the brackets:

- 1- Seeking help from your teacher or a family member
- 2- Checking the Wi-Fi connection

Question One: Mark True (✓) or False (X)

- ✓ -1
- X -2
- X -3
- ✓ -4
- ✓ -5

Lesson five

Question Two: Choose the correct answer from the brackets:

- 1- Flash Memory
- 2- Photo and video files

Question One: Mark True (✓) or False (X)

- ✓-1
- ✓ -2
- ✓ -3
- ✓ -4
- ✓ -5
- ✓ -4



حمل الآن

مجاناً وحصرياً

المراجعة رقم (3)

اختبار شهر اكتوبر



Question 1: Choose the correct answer

1- A school computer lab is an example of

- a) Open network b) Closed network c) The internet

2- The Braille method allows blind people to

- a) Write b) Read c) Speak

3-To store and share information, we can use

- a) Scanner b) Printer c) Flash memory

4-the is used to share information in a closed and private network

- a) Letters b) Internet c) Intranet

5-when creating a formula, use the sign for subtraction

- a) + b) – c) =

6-..... folders help us to manage files using technology

- a) Creating b) Deleting c) Copying

7-..... is faster than hard disk and can store files

- a) External hard drive b) Flash memory c) Router

8-the router is considered

- a) Famous browser b) Antivirus c) A gateway for the internet

10-..... Is a device that connects the computer to the internet via Wi-Fi

- a) Ethernet cable b) Router c) Ethernet port



11-Typing In the cell, tell the excel that you are creating a formula

a) + b)– c) =

12-..... Is a part of internet network made up of webpages that people can navigate

a) Video chat b) Search engine c) World wide web

13-to write the word Lion, you need To represent it in a computer system

a)4 bits b)4 bytes c)5 bytes

14-the is private to only those who are part of organization

a) Internet b) Intranet c) LAN

15-if you want to sum the values in column A, B and C from row 4, the formula is

a) C4+b4+a4 b) C4-b4-a4 c) A4+b4+c5

16-check the software update when.....

a) There is not internet connection

b) Downloading a file is very slow

c)The computer slows down when opening an app

17-.....is a networking technology that connects wireless mobile devices

a) Bluetooth b) Ethernet cable c) Router

18-..... Measure the number of cycles your CPU carries out per second

a) Gigahertz b) Mbps c) Byte



19-when the browser is running slow, you have to

- a) delete unwanted apps
- b) check WIFI signal
- c) restart your router

20-you can contact the ISP for help when

- a) internet connection is interrupted
- b) the browser is running slow
- c)an app does not open

21-..... helps us to access information by scanning it with a phone camera

- a) Browser
- b) QR Code
- c) Digital book

22-..... Used to save images on computer and use them later

- a) Scanner
- b) Printer
- c) Router

23- Try a new ethernet cable when

- a) There is no internet connection
- b) Downloading files is very slow
- c)The computer slows down when opening an app

24-Scientists used to share discoveries with his colleagues

- a) MS Excel
- b) MS Word
- c)Video Conference



25-..... consists of one computer connected to a printer or a router

- a) Internet b) Intranet c) LAN

26-..... is the smallest unit of data on your computer

- a) Mbps b) Byte c) Bit

27-..... consist of devices linked to the internet via Wi-Fi

- a) CPU b) IOT c) DSL

28-you can use application to buy anything on the internet

- a) Browser b) Brille c) E-commerce

29-..... is available for free to all Egyptians registered on the site

- a) EKB b) Google chrome c) Wikipedia

30- the first step to solve any problem in the computer is to it

- a) Identify b) Plan c) Leave

31-..... is a cable that transmit sound and images to and from devices

- a) Ethernet cable b) HDMI c) Router cable

32- when the computer slows down when opening an app,

- a) Check Wi-Fi signal
- b) Check software updates
- c) Restart your router
- d) Contact customer service

33- helps to manage files

- a) Scanner b) flash memory c) Folder d) Excel



34- you must the information you find

- a) Sell b) analyze c) buy

35- the internet is network

- a) Open b) closed c) private d) none of them

36- you can use to present the research results in a way that depends on movement and sound effects

- a) PowerPoint b) word c) Excel d) Zoom

37- to solve the problem of space, you mustold files to external hard drive

- a) Move b) delete c) shutdown d) restart

38- is a group of people or things that are connected to each other for a common purpose

- a) Computers
b) Networks
c) Gateways
d) Routers

39-..... is a gateway to access the internet

- a) Mobile b) Router c) Router and ISP

40- the is used for visually impaired to get audio feedback

- a) Bluetooth b) scanner c) screen reader d) e-commerce

41-..... are examples of internet of things

- a) Bluetooth speaker b) screen reader c) mobile devices



42- to solve the problem of slowing down the computer, you should

- a) Turn off the device and restart
- b) Restart router
- c) Connect to printer
- d) Both a and b

43- a command which is used to create new folders is

- a) New b) rename c) name d) delete

Question 2: Put true or false

- 1- External hard drive is like an HDD but much faster (_)
- 2- There are no solutions for computer issues ()
- 3- A Kilobyte is a unit of measure of network speed ()
- 4- A Gigabyte equal to 2024 bytes ()
- 5- EKB is a reliable source of knowledge ()
- 6- Digital washing machines are an example of internet of things ()
- 7- One of possible reasons for slow downloads is the internet speed ()
- 8- Braille makes it more difficult to read for people of determination ()
- 9- The data in the cell cannot be arranged alphabetically ()
- 10- Identifying the problem is the last step in solving computer problems. ()
- 11- You must decide to share information using the intranet or internet. ()
- 12- Technological tools help us to manage digital files. ()
- 13- Humans and organizations communicate every day using computer networks. ()



- 14- The intranet is used to share information in an open network. ()
- 15- HDMI is a wire that connects a computer or laptop with the router. ()
- 16- We can turn on and off home appliances connected to the internet from a distance ()
- 17- We can use the digital camera to transfer and share files. ()
- 18- You can add the main folder inside sub-folders to manage files. ()
- 19- Ethernet is more stable and faster than Wi-Fi. ()
- 20- Always ask permission from your parents before buying anything online. ()
- 21- To create a simple formula, we select the cell and then type a (*) sign to let Excel know that we want to create a formula. ()
- 22- The internet is a private network that is restricted to some people. ()
- 23- QR code is used to get information quickly and easily. ()
- 24- LAN is a network that connects computers from all over the world. ()
- 25- Megabits per second (Mbps) are used to measure the network speed. ()
- 26- To connect a computer to the internet, you must use a gateway ()
- 27- The internet is more secure and private than the intranet ()
- 28- You can add or subtract any data using Microsoft excel. ()
- 29- The rows are labeled with numbers, while the columns are labeled with letters in Excel. ()
- 30- You can enter files inside folders ()
- 31- To create a new folder click rename ()
- 32- The more cycles that CPU performs, the faster data can be processed ()
- 33- Bluetooth is a networking technology that connects mobile devices over a short range ()



Question 3: Complete the following sentences (for advanced students)

- 1- To create a folder, we right click then choose then
- 2- To give a folder a new name we right click then
- 3- and are from computer accessories
- 4- is a cable that connects a computer or laptop to a router
- 5- is a cable that transmits audio and video from/to devices.
- 6- is a device that connects a computer to the internet via Wi-Fi or ethernet.
- 7-, and are some of the computer's units of measurement.
- 8- is a network that connects computers, and the people using them, from all around the world.
- 9- is a private type of network, restricted to only those that are part of the business, school, or organization that it is connecting.
- 10- is short for World Wide Web.
- 11- The internet is used to share information over the web and is.....secure
- 12- An intranet is used to share in a closed network and is..... Secure.
- 13- To sort the info in alphabetical order you open.....Then click on..... then
- 14- To open Microsoft Excel we open the..... menu
- 15- We can set a simple formula using



Model Answers

Question 1: Choose the correct answer

1-A school computer lab is an example of

- a) Open network b) Closed network c) The internet

2-The Braille method allows blind people to

- a) write b) Read c) Speak

3-To store and share information, we can use

- a) Scanner b) Printer c) Flash memory

4-the is used to share information in a closed and private network

- a) Letters b) Internet c) Intranet

5-when creating a formula, use the sign for subtraction

- a) + b) - c) =

6-..... folders help us to manage files using technology

- a) Creating b) Deleting c) Copying

7-..... is faster than hard disk and can store files

- a) External hard drive b) Flash memory c) Router

8-the router is considered

- a) Famous browser b) Antivirus c) A gateway for the internet

9-is advising or training someone on a subject you have a lot of experience in

- a) Communication b) Mentoring c) Learning



10-..... Is a device that connects the computer to the internet via Wi-Fi

- a) Ethernet cable b) Router c) Ethernet port

11-Typing In the cell, tell the excel that you are creating a formula

- a) + b) - c) =

12-..... Is a part of internet network made up of webpages that people can navigate

- a) Video chat b) Search engine c) World wide web

13-to write the word Lion, you need To represent it in a computer system

- a) 4 bits b) 4 bytes c) 5 bytes

14-the is private to only those who are part of organization

- a) Internet b) Intranet c) LAN

15-if you want to sum the values in column A, B and C from row 4, the formula is

- a) $C4+B4+A4$ b) $C4-B4-A4$ c) $A4+B4+C5$

16-check the software update when.....

- a) There is not internet connection
b) Downloading a file is very slow
c) The computer slows down when opening an app



17-.....is a networking technology that connects wireless mobile devices

- a) **Bluetooth** b) Ethernet cable c) Router

18-..... Measure the number of cycles your CPU carries out per second

- a) **Gigahertz** b) Mbps c) Byte

19-when the browser is running slow, you have to

- a) delete unwanted apps
b) **check WIFI signal**
c) restart your router

20-you can contact the ISP for help when

- a) **internet connection is interrupted**
b) the browser is running slow
c) an app does not open

21-..... helps us to access information by scanning it with a phone camera

- a) Browser b) **QR Code** c) Digital book

22-..... Used to save images on computer and use them later

- a) **Scanner** b) Printer c) Router

23- Try a new ethernet cable when

- a) **There is no internet connection**
b) Downloading files is very slow
c) The computer slows down when opening an app



24-Scientists used to share discoveries with his colleagues

- a) MS Excel
- b) MS Word
- c) Video Conference

25-..... consists of one computer connected to a printer or a router

- a) Internet
- b) Intranet
- c) LAN

26-..... is the smallest unit of data on your computer

- a) Mbps
- b) Byte
- c) Bit

27-..... consist of devices linked to the internet via Wi-Fi

- a) CPU
- b) IOT
- c) DSL

28-you can use application to buy anything on the internet

- a) Browser
- b) Brille
- c) E-commerce

29-..... is available for free to all Egyptians registered on the site

- a) EKB
- b) Google chrome
- c) Wikipedia

30- the first step to solve any problem in the computer is to it

- a) Identify
- b) Plan
- c) Leave

31-..... is a cable that transmit sound and images to and from devices

- a) Ethernet cable
- b) HDMI
- c) Router cable



32- when the computer slows down when opening an app,

- a) Check Wi-Fi signal
- b) Check software updates**
- c) Restart your router
- d) Contact customer service

33- helps to manage files

- a) Scanner
- b) flash memory
- c) **Folder**
- d) Excel

34- you must the information you find

- A) Sell
- b) analyze**
- c) buy

35- the internet is network

- a) **Open**
- b) closed
- c) private
- d) none of them

36- you can use to present the research results in a way that depends on movement and sound effects

- A) **PowerPoint**
- b) word
- c) Excel
- d) Zoom

37-to solve the problem of space, you mustold files to external hard drive

- A) **Move**
- b) delete
- c) shutdown
- d) restart

38- is a group of people or things that are connected to each other for a common purpose

- a) Computers
- b) Networks**
- c) Gateways
- d) Routers

39- is a gateway to access the internet

- a) Mobile
- b) Router**
- c) Router and ISP



40- the is used for visually impaired to get audio feedback

- a) Bluetooth b) scanner c) **screen reader** d) e-commerce

41- are examples of internet of things

- a) **Bluetooth speaker** b) screen reader c) mobile devices

42- to solve the problem of slowing down the computer, you should
.....

- a) **Turn off the device and restart**
b) Restart router
c) Connect to printer
d) Both a and b

43- a command which is used to create new folders is

- A) **New** b) rename c) name d) delete

Question 2: Put true or false

- 1- External hard drive is like an HDD but much faster (T)
- 2- There are no solutions for computer issues (F)
- 3- A Kilobyte is a unit of measure of network speed (F)
- 4- A Gigabyte equal to 2024 bytes (F)
- 5- EKB is a reliable source of knowledge (T)
- 6- Digital washing machines are an example of internet of things (T)
- 7- One of possible reasons for slow downloads is the internet speed (T)
- 8- Braille makes it more difficult to read for people of determination (F)
- 9- The data in the cell cannot be arranged alphabetically (F)
- 10- Identifying the problem is the last step in solving computer problems. (F)
- 11- You must decide to share information using the intranet or internet. (T)
- 12- Technological tools help us to manage digital files. (T)



- 13- Humans and organizations communicate every day using computer networks. (T)
- 14- The intranet is used to share information in an open network. (F)
- 15- HDMI is a wire that connects a computer or laptop with the router. (F)
- 16- We can turn on and off home appliances connected to the internet from a distance (T)
- 17- We can use the digital camera to transfer and share files. (F)
- 18- You can add the main folder inside sub-folders to manage files. (F)
- 19- Ethernet is more stable and faster than Wi-Fi. (T)
- 20- Always ask permission from your parents before buying anything online. (T)
- 21- To create a simple formula, we select the cell and then type a (*) sign to let Excel know that we want to create a formula. (F)
- 22- The internet is a private network that is restricted to some people. (F)
- 23- QR code is used to get information quickly and easily. (T)
- 24- LAN is a network that connects computers from all over the world. (F)
- 25- Megabits per second (Mbps) are used to measure the network speed. (T)
- 26- To connect a computer to the internet, you must use a gateway (T)
- 27- The internet is more secure and private than the intranet (F)
- 28- You can add or subtract any data using Microsoft excel. (T)
- 29- The rows are labeled with numbers, while the columns are labeled with letters in Excel. (T)
- 30- You can enter files inside folders (T)
- 31- To create a new folder click rename (F)
- 32- The more cycles that CPU performs, the faster data can be processed (T)



33- Bluetooth is a networking technology that connects mobile devices over a short range (T)

Question 3: Complete the following sentences (for advanced students)

- 1- To create a folder, we right click then choose ...**New**..... then**New Folder**.....
- 2- To give a folder a new name we right click then ...**Rename**.....
- 3-**Router**..... and**HDMI**..... are from computer accessories
- 4-**Ethernet cable**.....is a cable that connects a computer or laptop to a router
- 5-**HDMI**.....is a cable that transmits audio and video from/to devices.
- 6-**Router**.....is a device that connects a computer to the internet via Wi-Fi or ethernet.
- 7-**Kilobytes**....., ...**Megabytes**..... and...**Gigabytes**..... are some of the computers units of measurement.
- 8- ...**Internet** ...is a network that connects computers, and the people using them, from all around the world.
- 9- ...**Intranet**.....is a private type of network, restricted to only those that are part of the business, school, or organization that it is connecting.
- 10-**WWW**..... is short for World Wide Web.
- 11- The internet is used to share information over the web and is.....**less**.....secure
- 12- An intranet is used to share in a closed network and is.....**More**..... Secure.
- 13- To sort the info in alphabetical order, go to...**toolbar**.....Then click on.....**Data**.....then **Sort**.....



- 14- To open Microsoft Excel we open the...**Start**..... menu
- 15- We can set a simple formula using ...**Excel**.....



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

